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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/811,150	03/16/2001	Jeffrey Mock	42366/RAS/L462	5799

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EXAMINER

NGUYEN, CAM LINH T

ART UNIT	PAPER NUMBER
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2171

DATE MAILED: 11/24/2003

9

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/811,150

Applicant(s)

MOCK ET AL.

Examiner

Cam-Linh T. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-88 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-88 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>4,6-7</u> . | 6) <input type="checkbox"/> Other: _____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1 – 88 are rejected under 35 U.S.C. 102(b) as being anticipated by Hoover et al (U.S. 5,724,575).

♦ As per claim 1, 37, 73,

Hoover et al (U.S. 5,724,575) discloses a method of processing data in one or more databases of a database system, comprising:

- "Receiving one or source tables" corresponds to "the source" (See claim 97, col. 19, line 6 - 10.)
- "The source table describe one or more objects in the database" See col. 19, line 6 - 10.
- "Generating one or more mapping tables, wherein the mapping tables describe the content and relationship of the source tables" See claim 97, Fig. 7, col. 24 line 36 – 51.
- "Generating one or more inverted tables from the content and relationships of the source tables, wherein the inverted tables are based on the generated mapping tables". The "inverted table" is corresponding to the "Index table 130" in Fig. 8, col. 25 line 38 – 43.

- "Mapping fields of the source tables to a predefined related set of fields" See Fig. 17, col. 41 line 23 – 37.

◆ As per claim 2 - 3, 38 – 39, Hoover discloses:

- "Predefined related set of fields comprises an international and specialized standard". Because the data are coming from heterogeneous data model and have different format (col. 39 line 49 – 57), therefore, the predefined related set of fields must include an international or specialized standard.

◆ As per claim 4, 40, Hoover discloses:

- "Updating the inverted tables based on new source table data" See Fig. 14 – 15, col. 34 line 56 – 64, col. 36 line 62 – 67.

◆ As per claim 5, 17, 21, 41, 57, 74, 81, 85, Hoover discloses:

- "Receiving a query requesting an entity from one or more of the databases" corresponds to the "search message" from customer in Fig. 11, col. 39 line 50 – 53.

◆ As per claim 6 - 7, 42 – 43, Hoover discloses:

- "The database entity comprises an object" and "a table" See col. 30 line 54 – 56.

◆ As per claim 8 - 13, 18 – 20, 22 – 24, 44 – 49, 54 – 56, 58 – 60, 75 – 80, 82 – 84, 86 – 88, Hoover discloses:

- "Identifying database fields, objects, retrieving the object, formatting the retrieved object, displaying" See Fig. 12, col. 31 line 57 – col. 32 line 28.

◆ As per claim 14 - 16, 25 – 26, 50 – 52, 61 – 62, Hoover discloses:

- "The source tables describe a single database", and "multiple database" See Fig. 1, where the customer database 26 and remote database 28 can be implemented as separated or in the single database (col. 10 line 19 – 23).
- ◆ As per claim 27, 53, 63, Hoover discloses:
 - "Object data is simultaneously retrieved from different databases" See Fig. 1. The data can be located in different databases such as in the Insurance company, Hospital, or Employer sites.
- ◆ As per claim 28, 64, Hoover discloses:
 - "The source tables comprises a relational database" See col. 15 line 5 – 26.
- ◆ As per claim 29 – 30, 65 – 66, Hoover discloses:
 - "The source table platform is XML or SGML". Because the data are coming form heterogeneous data model and have different format (col. 39 line 49 – 57), therefore, the source table platform can be an XML or SGML format.
- ◆ As per claim 31 – 32, 67 – 68, Hoover discloses:
 - "The inverted table comprises a terms look up table... to identify objects in the database" See Fig. 8, where the name of person is corresponding to the "term" and it is used to identify the object_ID in the database.
- ◆ As per claim 33 – 36, 69 – 72, Hoover discloses:
 - As described in Fig. 8, the index or inverted table 130d comprises a value that includes one or more terms (providers).

Conclusion

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3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Gajda et al (U.S. 6,502,088) discloses a method and system for improved access to non-relational databases.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cam-Linh T. Nguyen whose telephone number is 703-305-1951. The examiner can normally be reached on Monday - Friday from 8:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic, can be reached on (703) 308-1436. The fax phone number for the organization where this application or proceeding is assigned is 703-746-7239.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Cam-Linh Nguyen
Art Unit 2171

LN


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